

Part 573 Safety Recall Report

18V-016

Manufacturer Name : Mazda North American Operations**Submission Date :** JAN 09, 2018**NHTSA Recall No. :** 18V-016**Manufacturer Recall No. :** 2118A**Manufacturer Information :**

Manufacturer Name : Mazda North American Operations

Address : 1025 Connecticut Avenue, NW

Suite 910 Washington DC 20036

Company phone : 800-222-5500

Population :

Number of potentially involved : 84

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2009-2009 Mazda B-Series

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : GAS

Descriptive Information : The additional vehicles are MY2009 B-series originally registered in Zone C as defined by Takata's DIR #3 filing (Reference #18E003) on January 2, 2018. The recall population was determined based on vehicle manufacturing records at Ford Motor Corporation.

Plant information; Edison assembly plant of Ford Motor Corporation in USA.

Production Dates : AUG 18, 2008 - JAN 20, 2009

VIN Range 1 : Begin : 4F4YR12D49PM00086 End : 4F4YR12DX9PM01579 Not sequentialVIN Range 2 : Begin : 4F4ZR47EX9PM00004 End : 4F4ZR47E29PM01485 Not sequential**Description of Defect :**

Description of the Defect : This submission adds affected vehicles under Takata DIR#3 to the existing recall population covered by Mazda recalls 16V499 (DIR#1) and 17V013 (DIR#2). For Zone C: MY 2009 vehicles are added.

Note: For MY 2005 through MY 2006, there are no Mazda B-Series vehicles equipped with PSPI inflators. This is the final submission regarding the MY2007-2009 B-series equipped with PSPI air bag inflator, which are affected by the Takata airbag recall.

The PSPI air bag inflator, equipped in these subject Mazda vehicles, may potentially rupture during passenger side air bag deployment due to propellant degradation occurring after prolonged exposure to high absolute humidity, high temperatures, and high temperature cycling.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Activation of a non-desiccated ammonium nitrate inflator with degraded propellant may result in an inflator rupture. An inflator rupture may cause metal fragments to pass through the air bag and into the vehicle interior at high speed, which may result in injury or death to vehicle occupants.

Description of the Cause : The propellant wafers in the subject inflators may degrade over time, which could lead to over-aggressive combustion in the event the air bag is activated. Overly aggressive combustion creates excessive internal pressure when the inflator is activated, which may cause the inflator body to rupture. Based on Takata's investigation to date, the potential for such ruptures occur after several years of exposure to persistent conditions of high absolute humidity, high temperatures, and high temperature cycling. The potential for rupture may also be influenced by other factors, including the specific vehicle environment, the inflator and propellant configuration, and manufacturing variability.

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : Takata / T K Holding INC.

Address : 888 16th street, NW, Suite 800
Washington DISTRICT OF COLUMBIA 20006

Country : United States

Chronology :

(Refer to Mazda's corresponding defect information report #16V499 for added details.)

On January 2, 2018, Takata submitted Defect Information Report #3 (Reference #18E003) in accordance with the amended NHTSA Consent Order that requires DIR's to be filed in five phases covering vehicles with non-desiccated frontal PSAN inflators.

On January 9, 2018: On the basis of the Takata submitted DIR#3, Mazda held a Quality Audit Committee and decided to expand the recall. The following subject vehicles are added to the recall - MY 2009 B-series in Zone C.

Description of Remedy :

Description of Remedy Program : Owners of record will be notified of this issue and instructed to take their vehicles to a Mazda dealer for repair. The dealer will replace the frontal passenger side air bag inflator with the permanent remedy part. The repair will be performed free of charge to vehicle owners.

How Remedy Component Differs from Recalled Component : Recalled part name: Air bag inflator. . Parts number 1FAA-57K50
The remedy part is an air bag inflator manufactured by a different parts supplier and does not utilize phase-stabilized ammonium nitrate.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : A draft of the planned owner letter will be provided when it becomes available.

Planned Dealer Notification Date : FEB 23, 2018 - FEB 23, 2018

Planned Owner Notification Date : MAR 09, 2018 - MAR 09, 2018

* NR - Not Reported